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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/699,706	11/04/2003	Yoshikazu Takahashi	TAI 134-DIV	6264	
7590 05/05/2005		EXAMINER			
RABIN & BERDO, P.C.			WILLIAMS, ALEXANDER O		
Suite 500 1101 14th Stree	t. N.W.		ART UNIT	PAPER NUMBER	
Washington, DC 20005			2826		
			DATE MAILED: 05/05/2005		

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)				
Office Action Commence	10/699,706	TAKAHASHI ET AL.				
Office Action Summary	Examiner	Art Unit				
	Alexander O. Williams	2826				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply sepcified above, the maximum statutory period we Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	86(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) days will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	rely filed s will be considered timely. the mailing date of this communication. O (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 01 Ma	1) Responsive to communication(s) filed on 01 March 2005.					
2a)⊠ This action is FINAL . 2b)☐ This	This action is FINAL . 2b) This action is non-final.					
3) Since this application is in condition for allowan	ice except for formal matters, pro	secution as to the merits is				
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	3 O.G. 213.				
Disposition of Claims						
4) Claim(s) 2,4,6,8,10,12,14,16 and 33-52 is/are p	pending in the application.					
4a) Of the above claim(s) 43,44 and 50-52 is/ar	e withdrawn from consideration.					
5) Claim(s) 2,4,6,8,10,12,14,16 and 35-49 is/are a	5) Claim(s) 2,4,6,8,10,12,14,16 and 35-49 is/are allowed.					
6)⊠ Claim(s) <u>33 and 34</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or	election requirement.					
Application Papers						
9) The specification is objected to by the Examiner	r.					
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11)☐ The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.				
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). 						
* See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal Pa					

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Serial Number: 10/699706 Attorney's Docket #: TAI 134DIV

Filing Date: 11/4/2003; claimed foreign priority to 12/7/2001 and 5/16/2001

Applicant: Takahashi et al.

Examiner: Alexander Williams

This application is a divisional application of serial U.S. Application serial # 10/125444, filed April 19, 2002.

Applicant's Amendment filed 3/1/05 to the election of species of figures 2A and 2B (claims 2, 4, 6, 8, 10, 12, 14, 16, 27, 30, 33-42 and 45-49), filed 7/22/04, has been acknowledged.

This application contains claims 43, 44 and 50-52 drawn to an invention non-elected without traverse. A complete response to the final rejection must include cancellation of non-elected claims or other appropriate action (see 37 CFR \rightarrow 1.144 & MPEP \rightarrow 821.01).

Claims 1, 3, 5, 7, 9, 11, 13, 15 and 17-32 have been canceled.

The drawings are objected to because the drawings of figures 2A or 2B DOES NOT show "103" as detailed in the specification. On page 14, lines 21-24 states "Figs. 2A and 2B illustrate a second embodiment of the present invention, which employs a BGA structure. In the BGA structure, **a terminal 103** which is connected to an external circuit includes a land on which a metal ball, such as a solder ball, **is disposed**." If 103 is not within this drawing the statement and the listing of the element regarding 103 being disposed in the drawing should be removed.

Correction is required.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. § 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(f) or (g) prior art under 35 U.S.C. 103(a).

Claims 33 and 34 are rejected under 35 U.S.C. § 102(b) as being anticipated by Tanaka et al. (Japan Patent # 6-260530).

33. Tanaka et al. (figures 1 to 4) specifically figure 3(b) show a semiconductor package, comprising: a tape carrier 1 having a longitudinal extension and two side eedges

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running parallel to the longitudinal extension; a first semiconductor element (bottom 4) mounted on the tape carrier between the two side edges; a second semiconductor element (top 4) mounted on the tape carrier between the two side edges; a short lead (bottom 2) provided on the tape carrier, and being connected to the first semiconductor element; and a long lead (top 2) provided on the tape carrier, and being connected to the second semiconductor element (top 4).

34. A semiconductor package recited in claim 33, Tanaka et al. show wherein the second semiconductor element is disposed an the first semiconductor element.

Claims 2, 4, 6, 8, 10, 12, 14, 16, 35-42 and 45-49 are allowed.

Response

Applicant's arguments filed 3/1/05 have been fully considered, but are moot in view of the new grounds of rejections detailed above.

The insertion of Applicant's additional claimed language, for example, "in claim 33" cause for further search and consideration to make this action final.

Applicant's amendment necessitated the new grounds of rejection. Accordingly, **THIS ACTION IS MADE FINAL**. See M.P.E.P. \ni 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 C.F.R. \ni 1.136(a).

A SHORTENED STATUTORY PERIOD FOR RESPONSE TO THIS FINAL ACTION IS SET TO EXPIRE THREE MONTHS FROM THE DATE OF THIS ACTION. IN THE EVENT A FIRST RESPONSE IS FILED WITHIN TWO MONTHS OF THE MAILING DATE OF THIS FINAL ACTION AND THE ADVISORY ACTION IS NOT MAILED UNTIL AFTER THE END OF THE THREE-MONTH SHORTENED STATUTORY PERIOD, THEN THE SHORTENED STATUTORY PERIOD WILL EXPIRE ON THE DATE THE ADVISORY ACTION IS MAILED, AND ANY EXTENSION FEE PURSUANT TO 37 C.F.R. > 1.136(a) WILL BE CALCULATED FROM THE

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MAILING DATE OF THE ADVISORY ACTION. IN NO EVENT WILL THE STATUTORY
PERIOD FOR RESPONSE EXPIRE LATER THAN SIX MONTHS FROM THE DATE
OF THIS FINAL ACTION.

The listed references are cited as of interest to this application, but not applied at this time.

Field of Search	Date
U.S. Class and subclass: 257/666,673,676,685,686,696,692,693,698,723,777,784, 786,783	9/28/04 4/29/05
Other Documentation: foreign patents and literature in 257/666,673,676,685,686,696,692,693,698,723,777,784, 786,783	9/28/04 4/29/05
Electronic data base(s): U.S. Patents EAST	9/28/04 5/1/05

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alexander O Williams whose telephone number is (571) 272 1924. The examiner can normally be reached on M-F 6:30-7:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nathan Flynn can be reached on (571) 272 1915. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

AOW 5/1/05

Primary Patent Examiner Alexander O. Williams

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